

| L Number | Hits | Search Text | DB | Time stamp |
|---------------------|--------------|--|------------------------------|-----------------------------|
| 3 | 4653 | (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank)) | USPAT; US-PGPUB | 2004/06/14 11:54 |
| 4 | 347 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and (sample near3 (fluid or liquid)) | USPAT; US-PGPUB | 2004/06/14 09:10 |
| 5 | 41 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and (probe with (sample or reference) near3 (fluid or liquid)) | USPAT; US-PGPUB | 2004/06/14 09:15 |
| 6 | 64599 | (device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3) | USPAT; US-PGPUB | 2004/06/14 10:21 |
| 7 | 221 | ((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank)) | USPAT; US-PGPUB | 2004/06/14 10:21 |
| 8 | 1 | ("6394111").PN. | USPAT; US-PGPUB | 2004/06/14 09:21 |
| 10 | 75242 | (device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3) | EPO; JPO; DERWENT | 2004/06/14 11:28 |
| 11 | 191 | ((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank)) | EPO; JPO; DERWENT | 2004/06/14 10:21 |

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|----|----|--|----------------------|---------------------|
| 14 | 19 | (((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and ((determin\$3 or measur\$3) near3 (temperature or conductivity))) | USPAT; US-PGPUB | 2004/06/14 11:21 |
| 13 | 1 | (((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and ((determin\$3 or measur\$3) near3 (temperature or conductivity))) | EPO; JPO; DERWENT | 2004/06/14 11:21 |
| 15 | 0 | (((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and (current near3 (sens\$3 or detect\$3))) | EPO; JPO; DERWENT | 2004/06/14 10:43 |
| 16 | 4 | (((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and (current near3 (sens\$3 or detect\$3))) | USPAT; US-PGPUB | 2004/06/14 10:43 |
| 83 | 1 | jp-07163954-\$.did. | JPO | 2004/06/14 10:58 |
| 84 | 1 | (((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and ((determin\$3 or measur\$3 or monitor\$3) near3 (temperature or conductivity))) | EPO; JPO; DERWENT | 2004/06/14 11:24 |

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|----|------|--|----------------------|---------------------|
| 85 | 20 | (((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and ((determin\$3 or measur\$3 or monitor\$3) near3 (temperature or conductivity))) | USPAT; US-PGPUB | 2004/06/14 11:22 |
| 86 | 17 | (((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and ((determin\$3 or measur\$3 or monitor\$3) near3 temperature) | USPAT; US-PGPUB | 2004/06/14 11:23 |
| 87 | 1 | (((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and ((determin\$3 or measur\$3 or monitor\$3) near3 temperature) | EPO; JPO; DERWENT | 2004/06/14 11:46 |
| 88 | 221 | conductivity near3 ((probe or sens\$3 or detect\$3) with (temperature near3 (sens\$3 or detect\$3))) | EPO; JPO; DERWENT | 2004/06/14 11:28 |
| 89 | 604 | conductivity near3 ((probe or sens\$3 or detect\$3) with (temperature near3 (sens\$3 or detect\$3))) | USPAT; US-PGPUB | 2004/06/14 11:28 |
| 91 | 52 | (conductivity near3 ((probe or sens\$3 or detect\$3) with (temperature near3 (sens\$3 or detect\$3)))) and ((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) | USPAT; US-PGPUB | 2004/06/14 11:30 |
| 90 | 1 | (conductivity near3 ((probe or sens\$3 or detect\$3) with (temperature near3 (sens\$3 or detect\$3)))) and ((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) | EPO; JPO; DERWENT | 2004/06/14 11:44 |
| 92 | 698 | (134/200).CCLS. | USPAT; US-PGPUB | 2004/06/14 11:45 |
| 93 | 1556 | (134/902).CCLS. | USPAT; US-PGPUB | 2004/06/14 11:45 |
| 95 | 457 | (134/58R).CCLS. | USPAT; US-PGPUB | 2004/06/14 11:45 |
| 96 | 27 | ((134/200).CCLS.) and ((determin\$3 or measur\$3 or monitor\$3) near3 temperature) | USPAT; US-PGPUB | 2004/06/14 11:46 |

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|-----|-----|---|--------------------|---------------------|
| 97 | 107 | ((134/902).CCLS.) and ((determin\$3 or measur\$3 or monitor\$3) near3 temperature) | USPAT; US-PGPUB | 2004/06/14 11:47 |
| 98 | 22 | ((134/58R).CCLS.) and ((determin\$3 or measur\$3 or monitor\$3) near3 temperature) | USPAT; US-PGPUB | 2004/06/14 11:47 |
| 100 | 9 | (((134/902).CCLS.) and ((determin\$3 or measur\$3 or monitor\$3) near3 temperature)) and ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) near3 transducer) | USPAT; US-PGPUB | 2004/06/14 12:00 |

| L Number | Hits | Search Text | DB | Time stamp |
|---------------------|--------------|--|------------------------------|-----------------------------|
| 3 | 4653 | (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank)) | USPAT; US-PGPUB | 2004/06/14 09:17 |
| 4 | 347 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and (sample near3 (fluid or liquid)) | USPAT; US-PGPUB | 2004/06/14 09:10 |
| 5 | 41 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and (probe with (sample or reference) near3 (fluid or liquid)) | USPAT; US-PGPUB | 2004/06/14 09:15 |
| 6 | 64599 | (device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3) | USPAT; US-PGPUB | 2004/06/14 10:21 |
| 7 | 221 | ((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank)) | USPAT; US-PGPUB | 2004/06/14 10:21 |
| 8 | 1 | ("6394111").PN. | USPAT; US-PGPUB | 2004/06/14 09:21 |
| 10 | 75242 | (device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3) | EPO; JPO; DERWENT | 2004/06/14 11:28 |
| 11 | 191 | ((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank)) | EPO; JPO; DERWENT | 2004/06/14 10:21 |

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|----|----|--|----------------------|---------------------|
| 14 | 19 | (((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and ((determin\$3 or measur\$3) near3 (temperature or conductivity))) | USPAT; US-PGPUB | 2004/06/14 11:21 |
| 13 | 1 | (((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and ((determin\$3 or measur\$3) near3 (temperature or conductivity))) | EPO; JPO; DERWENT | 2004/06/14 11:21 |
| 15 | 0 | (((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and (current near3 (sens\$3 or detect\$3))) | EPO; JPO; DERWENT | 2004/06/14 10:43 |
| 16 | 4 | (((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and (current near3 (sens\$3 or detect\$3))) | USPAT; US-PGPUB | 2004/06/14 10:43 |
| 83 | 1 | jp-07163954-\$.did. | JPO | 2004/06/14 10:58 |
| 84 | 1 | (((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and ((determin\$3 or measur\$3 or monitor\$3) near3 (temperature or conductivity))) | EPO; JPO; DERWENT | 2004/06/14 11:24 |

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|----|-----|---|----------------------|---------------------|
| 85 | 20 | (((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and ((determin\$3 or measur\$3 or monitor\$3) near3 (temperature or conductivity)) | USPAT; US-PGPUB | 2004/06/14 11:22 |
| 86 | 17 | (((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and ((determin\$3 or measur\$3 or monitor\$3) near3 temperature) | USPAT; US-PGPUB | 2004/06/14 11:23 |
| 87 | 1 | (((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) same (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) with (container or tank))) and ((determin\$3 or measur\$3 or monitor\$3) near3 temperature) | EPO; JPO; DERWENT | 2004/06/14 11:26 |
| 88 | 221 | conductivity near3 ((probe or sens\$3 or detect\$3) with (temperature near3 (sens\$3 or detect\$3))) | EPO; JPO; DERWENT | 2004/06/14 11:28 |
| 89 | 604 | conductivity near3 ((probe or sens\$3 or detect\$3) with (temperature near3 (sens\$3 or detect\$3))) | USPAT; US-PGPUB | 2004/06/14 11:28 |
| 91 | 52 | (conductivity near3 ((probe or sens\$3 or detect\$3) with (temperature near3 (sens\$3 or detect\$3)))) and ((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) | USPAT; US-PGPUB | 2004/06/14 11:30 |
| 90 | 1 | (conductivity near3 ((probe or sens\$3 or detect\$3) with (temperature near3 (sens\$3 or detect\$3)))) and ((device or apparatus) near3 ((remov\$3 near3 contaminants) or clean\$3)) | EPO; JPO; DERWENT | 2004/06/14 11:35 |

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|---|-----|---|--------------------|---------------------|
| - | 158 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) and (container or tank))) and (transducer near3 (attach\$3 or fix\$3 or coupl\$3) near3 (tank or container)) | USPAT; US-PGPUB | 2004/06/09 12:07 |
| - | 69 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) and (container or tank))) and (transducer with (reference or sample) near3 (liquid or fluid)) | USPAT; US-PGPUB | 2004/06/09 12:30 |
| - | 21 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) and (container or tank))) and ((sens\$3 or detect\$3) adj (contain\$3 or enclos\$3) near3 (liquid or fluid)) | USPAT; US-PGPUB | 2004/06/09 12:22 |
| - | 364 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) and (container or tank))) and ((sens\$3 or detect\$3) near3 (contain\$3 or enclos\$3) near3 (liquid or fluid)) | USPAT; US-PGPUB | 2004/06/09 12:24 |
| - | 14 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) and (container or tank))) and (transducer with (reference or sample) adj (liquid or fluid)) | USPAT; US-PGPUB | 2004/06/09 12:33 |
| - | 17 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) and (container or tank))) and (temperature with (reference or sample) adj (liquid or fluid)) | USPAT; US-PGPUB | 2004/06/09 12:33 |

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| - | 9 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) near3 (clean\$3)) with ((medical or surgical) near3 (device or apparatus)) | USPAT; US-PGPUB | 2003/06/13 17:03 |
| - | 73 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) near3 (clean\$3)) with (medical or surgical) | USPAT; US-PGPUB | 2003/06/13 15:12 |
| - | 3 | ((("4382824") or ("4193818") or ("4448750"))).PN. | USPAT; US-PGPUB | 2003/06/13 16:09 |
| - | 0 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) near3 (clean\$3)) with ((medical or surgical) near3 (device or apparatus))) and (probe near3 ((liquid or fluid) near3 medium)) | USPAT; US-PGPUB | 2003/06/13 16:11 |
| - | 27620 | (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) near3 (transducer) | USPAT; US-PGPUB | 2003/06/13 17:05 |
| - | 66 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) near3 (transducer)) and (cavitation near3 (implosion or density)) | USPAT; US-PGPUB | 2003/06/13 18:08 |
| - | 24 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) near3 (transducer)) and (cavitation near3 density) | USPAT; US-PGPUB | 2003/06/13 17:35 |
| - | 2 | (measur\$3 or detect\$3 or determin\$3) near3 (cavitation near3 (implosion or density)) | EPO; JPO; DERWENT | 2003/06/13 18:12 |
| - | 8 | (measur\$3 or detect\$3 or determin\$3) near3 (cavitation near3 (implosion or density)) | USPAT; US-PGPUB | 2003/06/13 18:13 |
| - | 7686 | (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) and (container or tank)) | USPAT; US-PGPUB | 2004/06/09 11:12 |

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|--|--------------------|---------------------|
| - | 1973 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) and (container or tank))) and (generator) | USPAT; US-PGPUB | 2003/05/28 18:54 |
| - | 1235 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((liquid or fluid) and (container or tank))) and (generator)) and (transducer) | USPAT; US-PGPUB | 2003/05/28 18:54 |
| - | 16 | ("4326553" "4543130" "4736759" "4736760" "4869278" "5037481" "5090432" "5148823" "5247954" "5286657" "5365960" "5427622" "5520205" "5533540" "5534076" "5579792").PN. | USPAT | 2003/05/29 12:57 |
| - | 5 | 5931173.URPN. | USPAT | 2003/05/29 12:59 |
| - | 198 | (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same (((characteristic or quality) near3 (liquid or fluid)) and (container or tank)) | USPAT; US-PGPUB | 2003/05/29 13:19 |
| - | 61 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same (((characteristic or quality) near3 (liquid or fluid)) and (container or tank))) and (cleaning or cleaner) | USPAT; US-PGPUB | 2003/05/29 18:18 |
| - | 45 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same (((characteristic or quality) near3 (liquid or fluid)) and (container or tank))) and (conductivity) | USPAT; US-PGPUB | 2003/05/29 21:20 |

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|---|------|---|--------------------|---------------------|
| - | 0 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same (((characteristic or quality) near3 (liquid or fluid)) and (monitor\$3 near3 cleaning))) and (conductivity) | USPAT; US-PGPUB | 2003/05/29 18:32 |
| - | 1 | (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((characteristic or quality) near3 (liquid or fluid)) and (monitor\$3 near3 cleaning) | USPAT; US-PGPUB | 2003/05/29 18:36 |
| - | 14 | ((134/57 R).CCLS.) and ((measur\$3 or detect\$3 or sens\$3) near3 (conductivity)) | USPAT; US-PGPUB | 2003/05/29 19:07 |
| - | 27 | (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((characteristic or quality) near3 (liquid or fluid)) and ((measur\$3 or detect\$3 or sens\$3) near3 (conductivity)) | USPAT; US-PGPUB | 2003/05/29 19:38 |
| - | 93 | (73/64.53).CCLS. | USPAT; US-PGPUB | 2003/06/01 20:57 |
| - | 3 | ((73/64.53).CCLS.) and ((measur\$3 or detect\$3 or sens\$3) near3 (conductivity)) | USPAT; US-PGPUB | 2003/05/29 19:14 |
| - | 37 | ((134/113).CCLS.) and ((measur\$3 or detect\$3 or sens\$3) near3 (conductivity)) | USPAT; US-PGPUB | 2003/06/13 14:24 |
| - | 465 | (134/184).CCLS. | USPAT; US-PGPUB | 2003/05/29 19:58 |
| - | 329 | ((134/184).CCLS.) and (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) | USPAT; US-PGPUB | 2003/05/29 19:58 |
| - | 16 | ((134/184).CCLS.) and (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4)) and (conductivity) | USPAT; US-PGPUB | 2003/05/29 20:17 |
| - | 1343 | (134/902).CCLS. | USPAT; US-PGPUB | 2003/05/29 19:58 |
| - | 448 | ((134/902).CCLS.) and (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) | USPAT; US-PGPUB | 2003/05/29 21:12 |

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|---|-----|---|--------------------|---------------------|
| - | 9 | (((134/902).CCLS.) and (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4)) and ((measur\$3 or detect\$3 or sens\$3) near3 (conductivity)) | USPAT; US-PGPUB | 2003/05/29 19:58 |
| - | 38 | 5069235.URPN. | USPAT | 2003/05/29 20:15 |
| - | 20 | 5069235.URPN. and (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) | USPAT; US-PGPUB | 2003/05/29 21:12 |
| - | 3 | (((73/64.53).CCLS.) and ((measur\$3 or detect\$3 or sens\$3) near3 (conductivity))) and (conductivity) | USPAT; US-PGPUB | 2003/05/29 20:17 |
| - | 1 | ("4997490").PN. | USPAT; US-PGPUB | 2003/05/29 21:12 |
| - | 21 | (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((characteristic or quality) near3 (liquid or fluid)) and (sampling near3 (fluid or liquid)) | USPAT; US-PGPUB | 2003/05/29 21:22 |
| - | 511 | (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((sens\$4 or detect\$4 or determin\$4 or measur\$4) near3 conductivity) | USPAT; US-PGPUB | 2003/06/01 20:13 |
| - | 7 | (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((probe or sensor or transducer) near3 monitor\$3 near3 cleaning) | USPAT; US-PGPUB | 2003/06/01 19:46 |
| - | 17 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((sens\$4 or detect\$4 or determin\$4 or measur\$4) near3 conductivity)) same (clean\$3) | USPAT; US-PGPUB | 2003/06/01 19:49 |

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|---|------|---|--------------------|---------------------|
| - | 11 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) same ((sens\$4 or detect\$4 or determin\$4 or measur\$4) near3 conductivity)) and (remov\$4 near3 contamination) | USPAT; US-PGPUB | 2003/06/01 19:52 |
| - | 516 | (134/113).CCLS. | USPAT; US-PGPUB | 2003/06/01 19:54 |
| - | 12 | ((134/113).CCLS.) and (sample near3 (fluid or liquid)) | USPAT; US-PGPUB | 2003/06/01 19:58 |
| - | 30 | ((134/113).CCLS.) and ((measur\$4 or detect\$4 or determin\$4) near3 conductivity) | USPAT; US-PGPUB | 2003/06/01 20:04 |
| - | 618 | (134/57 R).CCLS. | USPAT; US-PGPUB | 2003/06/01 20:11 |
| - | 80 | ((134/57 R).CCLS.) and (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) | USPAT; US-PGPUB | 2003/06/01 20:23 |
| - | 1 | "3101089".PN. | USPAT | 2003/06/01 20:20 |
| - | 5832 | (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) near3 (cleaner or cleaning) | USPAT; US-PGPUB | 2003/06/01 20:24 |
| - | 12 | ((acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) near3 (cleaner or cleaning)) same (sample near3 (liquid or fluid)) | USPAT; US-PGPUB | 2003/06/01 20:25 |
| - | 1 | "3046791".PN. | USPAT | 2003/06/01 20:34 |
| - | 84 | (73/64.56).CCLS. | USPAT; US-PGPUB | 2003/06/01 20:57 |
| - | 543 | (73/866.5).CCLS. | USPAT; US-PGPUB | 2003/06/10 17:04 |
| - | 10 | ((73/866.5).CCLS.) and ((measur\$3 or determin\$3 or detect\$3) near3 conductivity) | USPAT; US-PGPUB | 2003/06/12 22:18 |
| - | 60 | ((73/866.5).CCLS.) and (cleaning) | USPAT; US-PGPUB | 2003/06/10 17:34 |
| - | 29 | ((probe or sensor or electrode) with (enclosure or housing or cover\$3 or sheild\$3)) same ((detect\$3 or measure\$3 or determin\$3) near3 (conductivity near3 (fluid or liquid))) | USPAT; US-PGPUB | 2003/06/12 22:31 |

| | | | | |
|---|--------|---|--------------------|---------------------|
| - | 13 | ((probe or sensor or electrode) near3 (enclosure or housing or cover\$3 or sheild\$3)) same ((detect\$3 or measure\$3 or determin\$3) near3 (conductivity near3 (fluid or liquid))) | USPAT; US-PGPUB | 2003/06/13 12:15 |
| - | 6 | ("1518211" "1592979" "1951035" "2789887" "3028546" "3265962").PN. | USPAT | 2003/06/13 12:03 |
| - | 182 | (324/450).CCLS. | USPAT; US-PGPUB | 2003/06/13 12:15 |
| - | 43 | ((324/450).CCLS.) and clean\$3 | USPAT; US-PGPUB | 2003/06/13 12:32 |
| - | 0 | (coductivity near3 measur\$3) and (clean\$3 near3 (device or apparatus)) | USPAT; US-PGPUB | 2003/06/13 12:35 |
| - | 338 | (measur\$3 near3 conductivity) and (clean\$3 near3 (device or apparatus)) | USPAT; US-PGPUB | 2003/06/13 12:38 |
| - | 343197 | acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4 | USPAT; US-PGPUB | 2003/06/13 12:40 |
| - | 136 | ((measur\$3 near3 conductivity) and (clean\$3 near3 (device or apparatus))) and (acoustic\$4 or ultrasonic\$4 or ultrasound\$4 or sonic\$4 or sound\$4 or supersonic\$4 or supersound\$4 or megasound\$4 or megasonic\$4 or microsound\$4 or microsonic\$4) | USPAT; US-PGPUB | 2003/06/13 13:52 |
| - | 49 | ("3276458" "3640295" "3657073" "3861875" "3957252" "3982893" "4064886" "4311793" "4591566" "4592785" "4710233" "4743537" "4850716" "4863867" "5032186" "5048139" "5122344" "5140842" "5259219" "5277875" "5291626" "5396178" "5405587" "5411042" "5422276" "5424939" "5445792" "5446531" "5491092" "5535141" "5558841" "5565634" "5647386" "5711921" "5722441" "5736355" "5747794" "5753195" "5788925" "5830683" "5834313" "5863790" "5882590" "5906802" "5923432" "5928948" "5960804" "6107097" "6193931").PN. | USPAT | 2003/06/13 12:55 |
| - | 1 | ((134/113).CCLS.) and (cavitation near3 implosion) | USPAT; US-PGPUB | 2003/06/13 14:28 |
| - | 12 | ((134/113).CCLS.) and (cavitation) | USPAT; US-PGPUB | 2003/06/13 14:43 |
| - | 1 | ("3957252").PN. | USPAT; US-PGPUB | 2003/06/13 14:45 |
| - | 1 | ("3640295").PN. | USPAT; US-PGPUB | 2003/06/13 15:04 |